

STATE OF WASHINGTON  
**DEPARTMENT OF FISH & WILDLIFE**  
**HABITAT PROGRAM**  
Salmonid Screening, Habitat Enhancement &  
Restoration Division (SSHEAR)

**OFF-CHANNEL SITE INVENTORY DATA**

**General Information:**

<b>Region:</b> North Coast	<b>Observer(s):</b> Nettnin
<b>River System:</b> Sol Duc	<b>Date:</b> 11/25/96
<b>Site Identifier:</b> S-304R-02	<b>WRIA:</b> 20.0304 F (P)
<b>River Mile Location:</b> 0.9	<b>RB/LB:</b> RB
<b>Local Name:</b> Mud Creek	<b>Trib. to:</b> Gunderson Creek (20.0304)
<b>Legal Description:</b> NE¼ Sec 30 T29N R13W	<b>County:</b> Clallam
<b>Habitat Type:</b> Valley wall trib	
<b>Landowner:</b> <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private Department of Natural Resources Unknown at this time, probably RTOC	

**Directions to site:**

- Head north from Forks on HWY 101 about 3.1 mi. Turn left (west) about 0.1 mi. beyond MP 195 onto D-2000. Proceed west on D-2000 for 1.1 mile to a major stream crossing this is W.F. Gunderson Cr. Proceed to a road junction just past the creek and go to the left. Walk down this road about 0.2 mi. This is S-304R-02.

**Site Overview:**

- This second order stream drains about 40 - 60 acres of timberland, most of which has been recently clearcut. It sources on the valley wall and flows to Gunderson Creek. It has a moderate to high gradient, flashy flows, and it produces gravel. It has trout and some limited coho rearing potential.

**Habitat Information:**

**Water source:** Surface runoff

**Intermittent/year-around:** Intermittent

<b>Estimated flows (cfs):</b>	Lower end: 1.0 - 2.0	Upper end: Not taken
Date: 12/19/97	0.2 - 0.5	Not taken

<b>Water temperatures:</b>	Lower end: 7.5°C	Upper end: Not taken
----------------------------	------------------	----------------------

**Adjacent stream temperature (Gunderson Creek 20.0304):** 6.5°C

**Other water observations:** clear water

**Site area measurements:** ☐ Indirect ☐ Direct ☒ Combination

Widths: Channel- 0.5 - 2.0 m	Ponds- NA	Wetlands- NA
Depths: Channel- 5 - 10 cm	Ponds- NA	Wetlands- NA
Total length surveyed (includes ponds and wetlands): ~80 m		

**Total existing habitat area (est.):** 160 m<sup>2</sup>

Spawning area: 4 m<sup>2</sup>

Impounded area: None

Other rearing area: 156 m<sup>2</sup>

**Spawning Habitat conditions:** ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

**Describe spawning habitat:**

- The spawning habitat appears to be limited to the reach below the culvert.
- Rubble and larger gravels limit spawning.

**Rearing habitat conditions:** ☐ None ☒ Poor ☐ Fair ☒ Good ☐ Excellent

**Describe pond and other rearing habitat:**

- High gradient, flashy flows and turbid water during rainy periods limit coho rearing to the lower 20 m. Coho may use the lower reach for refuge during high river flows.
- Overall, this stream has better trout habitat.

**Describe inaccessible habitat:** NA

**Describe wetland:** ☒ None ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

**Flooding potential:** ☒ Low ☐ Medium ☐ High

**Fish Information:**

**Site entry condition to Gunderson Cr. (20.0304):** ☐ Poor ☒ Fair ☐ Good

**Coho access and use:**

Juvenile- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good

Adult- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good

- There appears to be unobstructive juvenile access up to the culvert. On low to moderate flows, water filters through the gravel that has built up in the culvert.
- There may have been a redd just above the channel mouth.

**Other species access and use:** ☐ Chum ☐ Sockeye ☐ Chinook ☒ Trout ☐ Res. Trout

It is unknown if other species use this system, but it is possible trout do use it.

**Habitat Improvements:**

**Enhancement opportunities:**

- Maintain the integrity of the stream.

**Additional Comments:** See culvert report for culvert data.

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

<input checked="" type="checkbox"/> Aerials	<input checked="" type="checkbox"/> Sketch	<input type="checkbox"/> Juvenile trapping	<input checked="" type="checkbox"/> Culvert Report
<input type="checkbox"/> Other references	<input type="checkbox"/> Spawning surveys	<input type="checkbox"/> Fishway Report	<input checked="" type="checkbox"/> Maps

# WDFW FISH PASSAGE REPORTING FORM

## LEVEL I - Facility/Barrier Identification

### (1) CHECK ONE:

- ☐ Existing Fishway (includes baffled culverts)  
☐ Man-made Fish Passage Problem

(2) STREAM: Mud Creek (3) WRIA#/RM: 20.0304 F/ 0.9

(4) TRIBUTARY TO: Gunderson Creek

(5) LEGAL(S,T,R): sec30, T29N, R13W

(6) LATITUDE/LONGITUDE:

### (7) MILEPOST/ROAD:

Head north from Forks on HWY 101 about 3.1 mi. Turn left (west) about 0.1 mi. beyond MP 195 onto D-2000. Proceed west on D-2000 for 1.1 mile to a major stream crossing. This is W.F. Gunderson Cr. Proceed to a road junction just past the creek to the left. Walk down this road about 0.2 mi. This is S-304R-02.

(8) DESCRIPTION OF FISHWAY, FACILITY:

(9) DESCRIPTION OF BARRIER:

(10) OWNER: Rayonier Timber Operations Company

(11) FISH ACCESS UP TO BARRIER VERIFIED/PRIMARY SPECIES: Yes / coho

(12) HABITAT AVAILABLE ABOVE FISHWAY OR BARRIER:

(13) IDENTIFIED BY (agency/organization): WDFW - SSHEAR

(14) SUBMITTED BY/DATE OBSERVED: Nettnin / 4/8/97

(15) INVENTORY DESCRIPTOR: S-304R-02

## LEVEL II - Culvert/Barrier Description

### CULVERT:

(16) TYPE (Indicate number of each):

- ☐ concrete round  
☐ concrete box  
☐ smooth steel pipe  
☒ CMP - Round  
☐ CMP - Arch or Ellipse  
☐ Other:

(17) LENGTH: 50 ft

(18) DIAMETER: 4 ft

(19) WATER DEPTH: 3 in

(20) SLOPE: 3.5 ft

(21) VELOCITY:

(22) OUTFALL DROP: No plunge

### DAM:

(23) LENGTH:

(24) HEIGHT:

COMMENTS: Gravel is deposited three quarters the way through the pipe. Low flows filter through the gravel, moderate flows may be enough to pass fish.

RIVER: SOL DUC

TRIB: Gunderson Cr.

WRIA: 20.0304

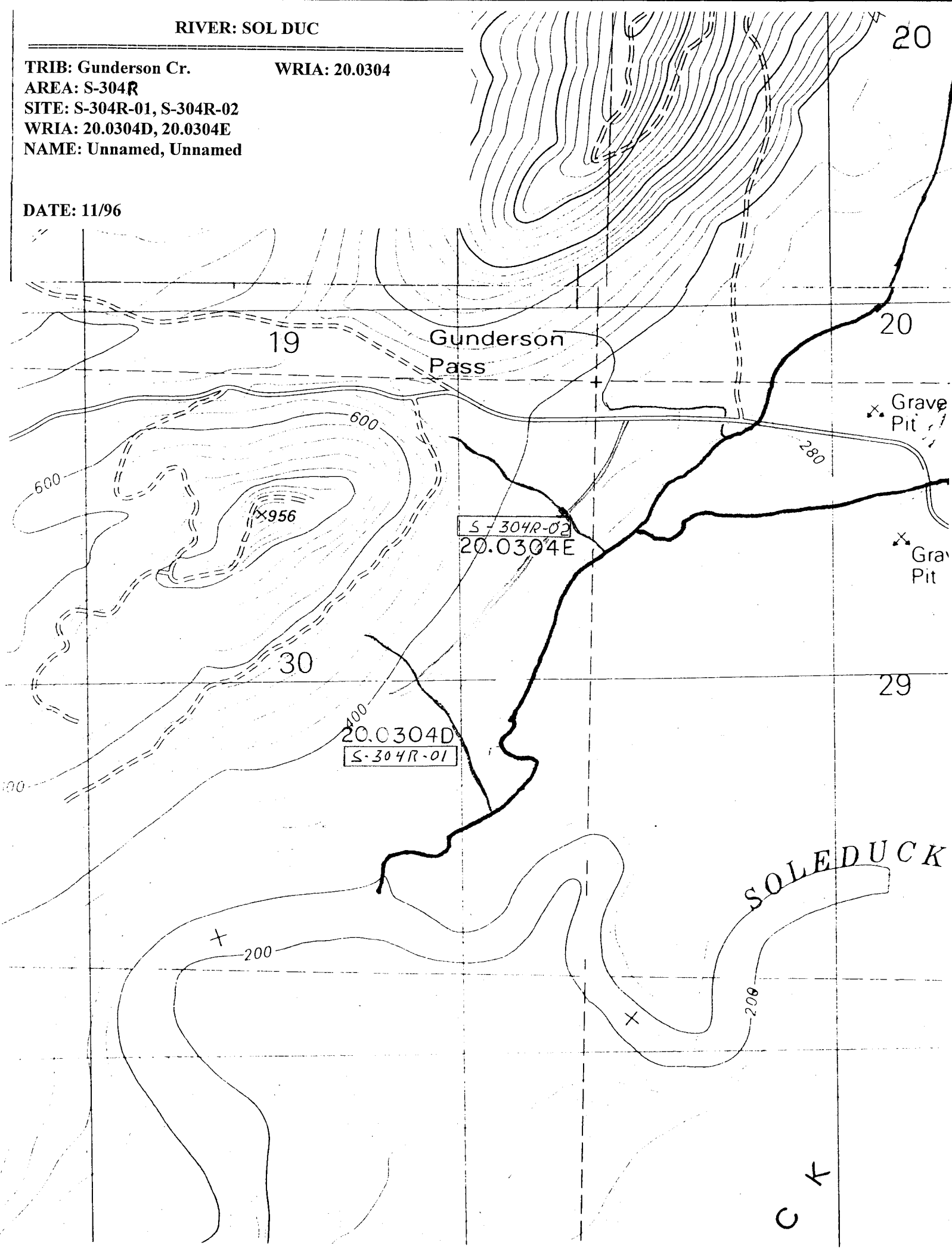
AREA: S-304R

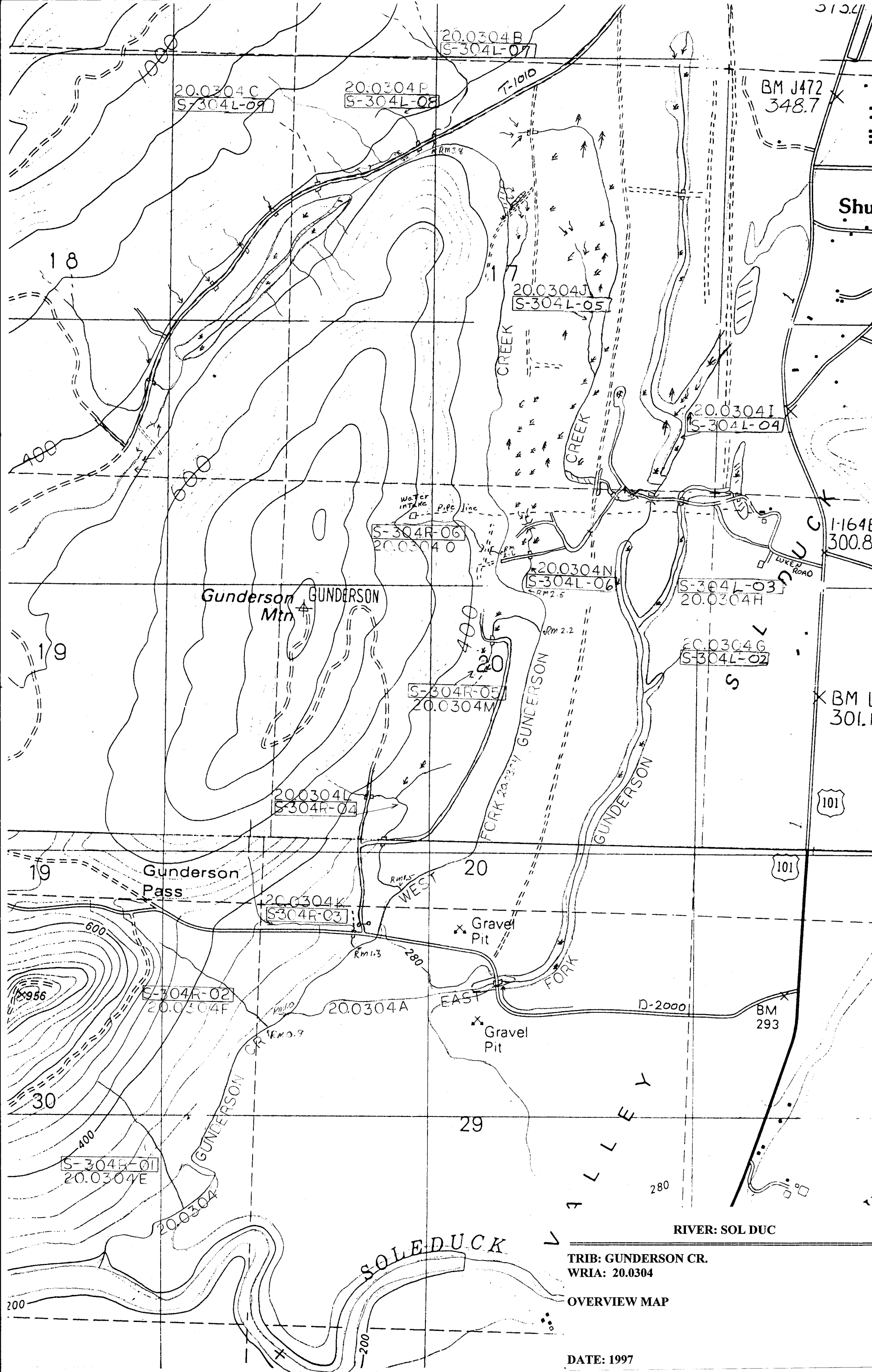
SITE: S-304R-01, S-304R-02

WRIA: 20.0304D, 20.0304E

NAME: Unnamed, Unnamed

DATE: 11/96







FORKS QUADRANGLE  
WASHINGTON  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NW/4 FORKS 15' QUADRANGLE

WASHINGTON  
7.5 MINUTE SERIES (TOPOGRAPHIC)

NW/4 FORKS 15' QUADRANGLE  
PORT ANGELES 54 MI. 124°22'30"  
BEAVER P.O. 4.7 MI. 1 130 000 FEET

PORT ANGELES 54 MI. 124°22'30"  
BEAVER P.O. 4.7 MI. 16000'

